COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF INDUSTRIAL ACCIDENTS

TREATMENT GUIDELINES EFFECTIVE JULY 1, 1993

GUIDELINE NUMBER 5 - THORACIC OUTLET SYNDROME NEUROGENIC ORIGIN

I. <u>Conservative Care</u>:

- **A.** 3 months of conservative treatment; **and**
- **B.** A second surgical opinion from a non-surgical specialist (e.g., neurologist, physiatrist, or rheumatologist)

AND

II. Clinical Findings:

- **A.** Subjective in the affected upper extremities:
 - 1. Pain; and
 - 2. Numbness or paresthesias in the ulnar nerve distribution; and
 - **3.** At least two of the following tests must <u>exactly</u> reproduce symptoms of pain with or without pulse obliteration (in the affected upper extremity):
 - a. Roos' maneuver
 - **b.** Adson's maneuver
 - **c.** Costoclavicular maneuver
 - **d.** Hyperabduction maneuver

AND

- **B.** Objective in the affected upper extremity:
 - 1. Positive doppler ultrasonography; or
 - 2. Positive nerve conduction, EMG or somatosensory evoked potential studies

OR

C. Imaging

1. X-ray studies that confirm the presence of cervical ribs, elongated C-7 process, hypoplastic first rib or fractured clavicle.

III. Special Instructions:

A. A psychiatric or psychological evaluation may be required on a case-specific basis.